



Fig. IC

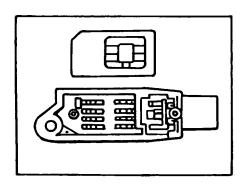
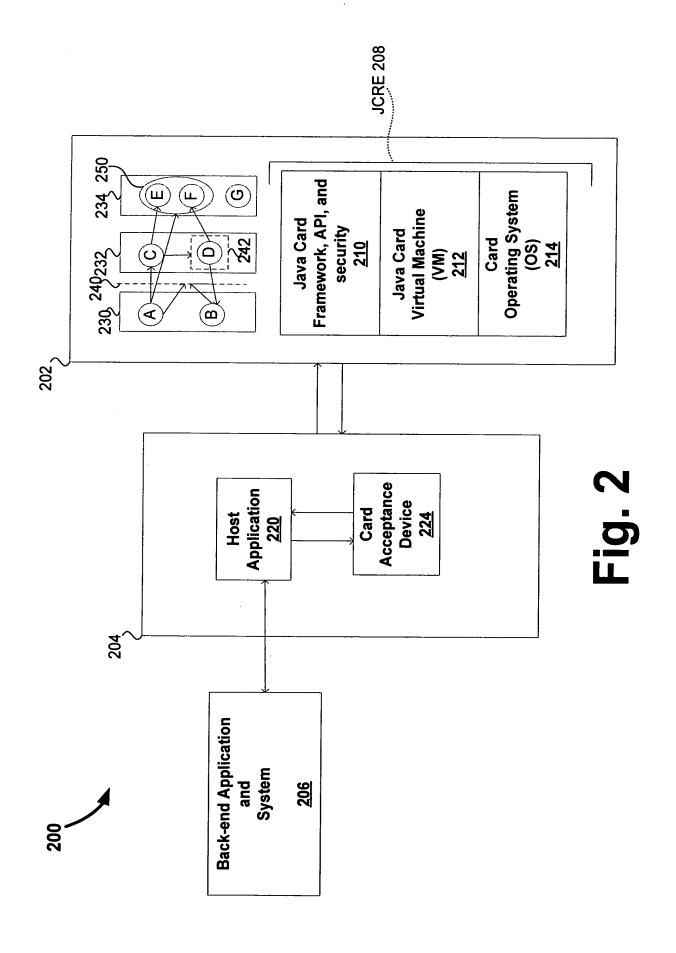
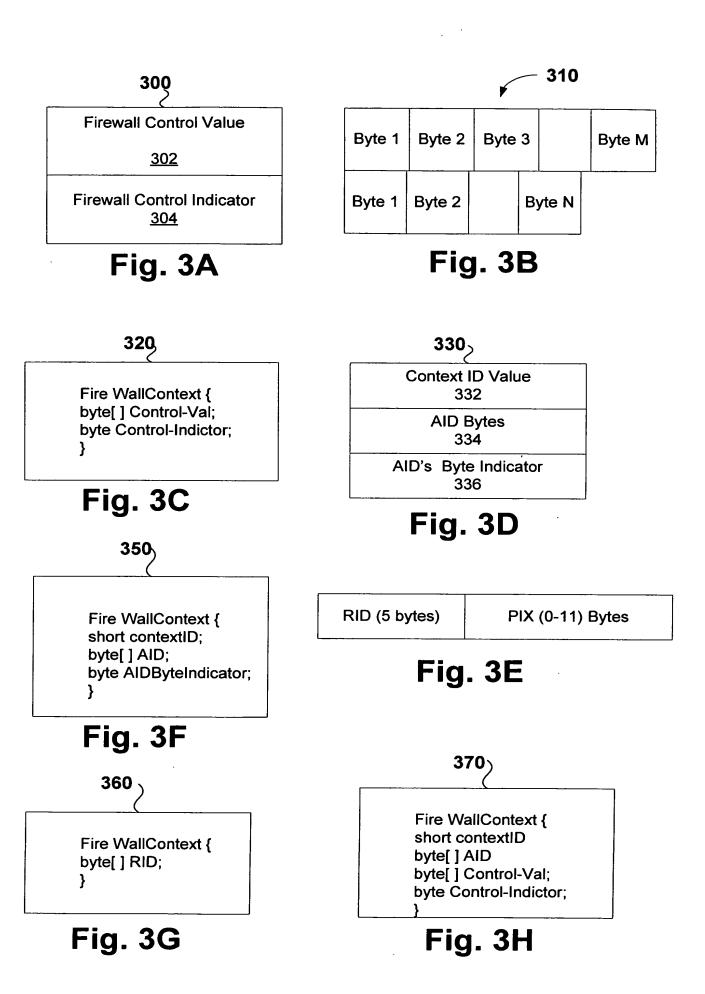


Fig. ID





Firewall Control Value 1	Firewall Control Value 2
<u>372</u>	<u>376</u>
Firewall Control Indicator 1 374	Firewall Control Indicator 2 378

Fig. 3I

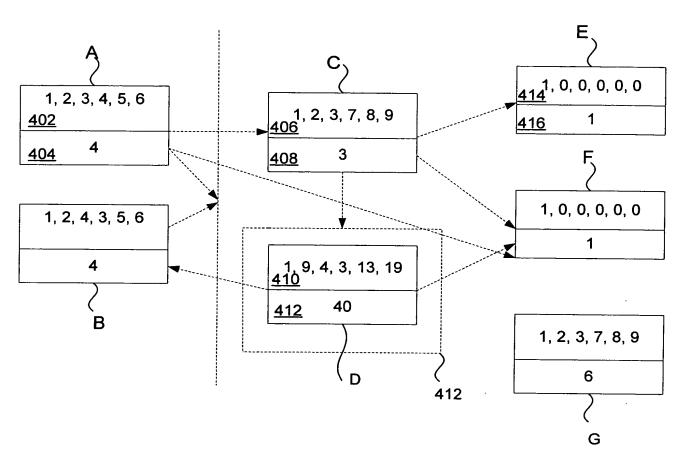
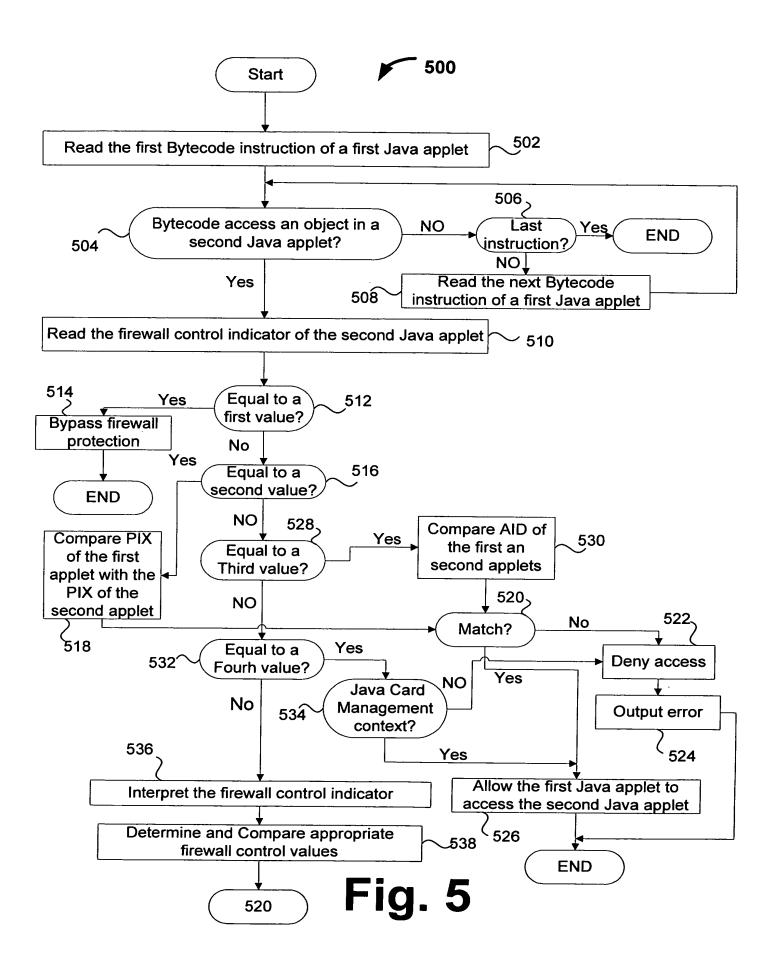


Fig. 4



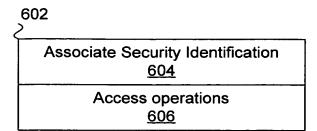


Fig. 6A

```
Fire WallContext {
Context ID;
Associated ID AssociatedIDAccess[];
}

AssociatedID {
ValidID
AccessMask;
}
```

Fig. 6C

```
Fire WallContext {
Context ID;
boolean control-value-access;
boolean Assocaite-ID-access;
byte[] Control-Val;
byte Control-Indictor;
Associated ID AssociatedIDAccess[];
}

AssociatedID {
ValidID
AccessMask;
boolean Authenticated-Already
}
```

Fig. 6E

61	0			
,	ID 1	ID 2	ID 3	ID 4
	Read	Read, Write, Delete	Create, Execute	Read, Update

Fig. 6B

630

Context ID Value 632
Control Value 634
Associate ID <u>636</u>
Fire wall Control Value 638
Fire wall Control indicator 640
Associate Identification <u>642</u>
Access operations 644
Authenticated ID 646

Fig. 6D

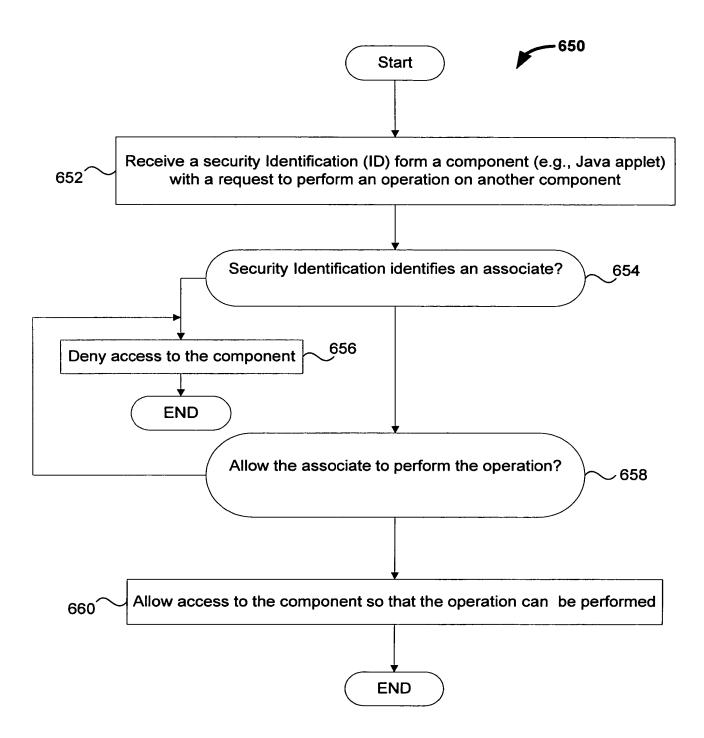


Fig. 6F

				
5 (I)	Key 4	Key management Info 5	Algorithm(s) 4	Authentic -ation
ID 4	Key 4	Key management Info 4	Algorithm(s) 4	Decrypt
E QI	Key 3	Key management Info 3	Algorithm(s)	Encrypt
ID 2	Key 2	Key management Info 2	Algorithm(s) 2	Verify
ID 1	Key 1	Key management Info 1	Algorithm(s)	Sign

712

Cryptographic system <u>704</u>

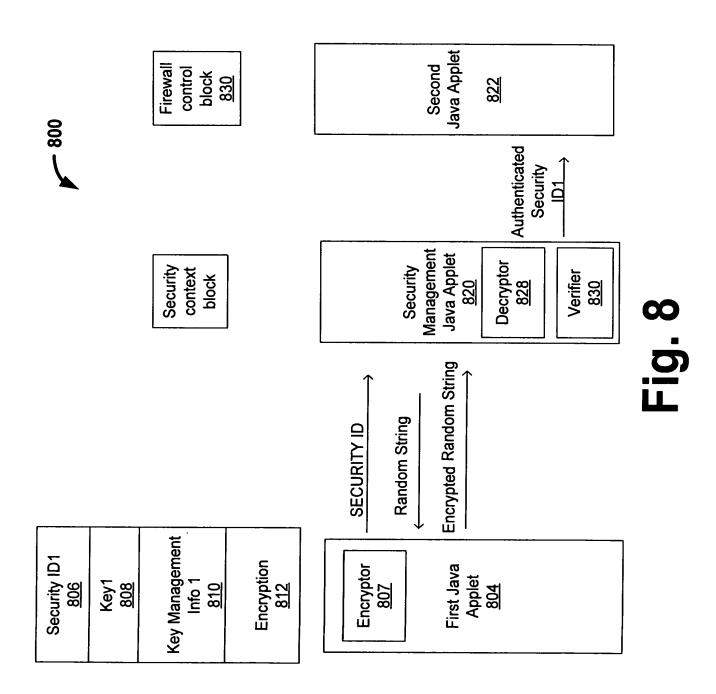
Security Context ID 702

710

Fig. 7B

```
class SecurityContext{
      ContextID;
      securityEnvironment[];
      data[];
      operations;
      securityContext[] (Nested?)
SecurityEnvironment{
      KeyID[];
      Key[];
      keyMangementInfo[];
      Algorithm[];
Key {
      ID writeKey;
      ID readKey;
      ID deleteKey;
      byte [] keyMaterial;
Operations {
      sign,
      verify;
      encrypt;
      decrypt;
      authenticate;
      }
```

Fig. 7C



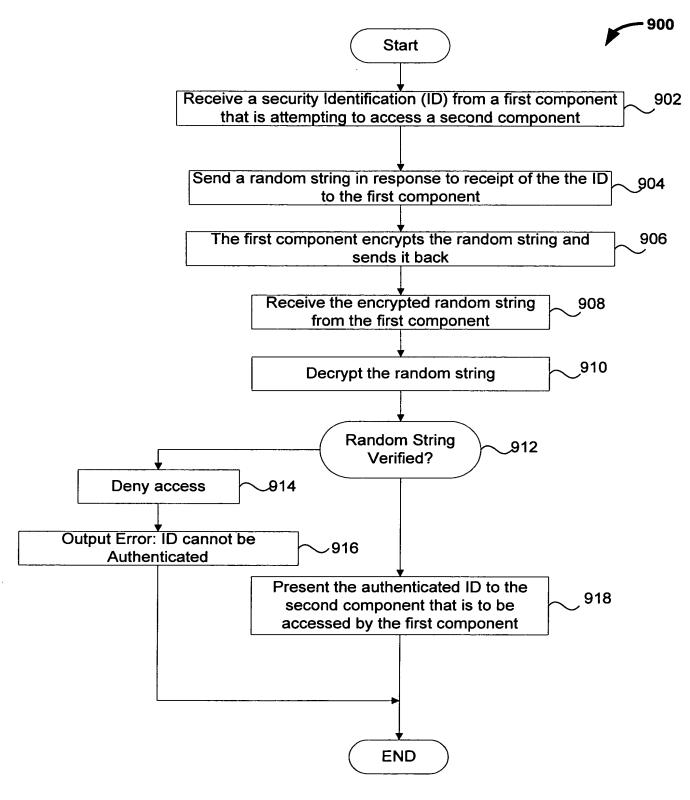


Fig. 9